L Number	Hits	Search Text	DB	Time stamp
1	0	(257/678 or 257/688 or 257/689 or 257/690)	USPAT;	2004/05/06 20:04
_		and (electroluminescen\$2 or	US-PGPUB;	
		electro-luminescen\$2 or photo near	EPO; JPO;	
		(detec\$4 or receiv\$3 or voltaic or	DERWENT;	
		electric\$4) or photo-detect\$4 or	IBM TDB	
		photo-receiv\$3 or photo-voltaic or		
		photo-electric\$4 or opto near electri\$6 or		
		opto-electric\$6) with (sensor or detector)		
		with (spring or microspring or		
		micro-spring)		
2	12		USPAT;	2004/05/06 19:51
-		and ((LED or laser or light near (emit\$4	US-PGPUB;	
		or emission) or light near source) with	EPO; JPO;	
		(spring or microspring or micro-spring))	DERWENT;	
		(oping of midlosping of midlo oping,	IBM TDB	
3	13	(257/678 or 257/688 or 257/689 or 257/690)	USPAT;	2004/05/06 19:53
ا	1	and ((LED or laser or light near (emit\$4	US-PGPUB;	2001,00,00 13.03
Ì		or emission) or light near source) with	EPO; JPO;	
		(spring or microspring or micro-spring))	DERWENT;	
		(spring or microspring or micro spring)	IBM TDB	
4	16	(257/80 or 257/81 or 257/82 or 257/83) and	USPAT;	2004/05/06 19:55
7	10	((LED or laser or light near (emit\$4 or	US-PGPUB;	2004/03/00 13.33
		emission) or light near source) with	EPO; JPO;	
	1	(spring or microspring or micro-spring))	DERWENT;	
i		(spring of microspring of micro-spring))	IBM TDB	
_	9	(257/84 or 257/85 or 257/86 or 257/87 or	USPAT;	2004/05/06 19:57
5	9	· · ·	US-PGPUB;	2004/03/06 19:37
		257/88) and ((LED or laser or light near	EPO; JPO;	
		(emit\$4 or emission) or light near source)	DERWENT;	
		with (spring or microspring or	IBM TDB	
_	1.5	micro-spring)) (257/91 or 257/99 or 257/100 or 257/290 or	USPAT;	2004/05/06 19:59
6	15		US-PGPUB;	2004/03/00 19:39
		257/431) and ((LED or laser or light near	· ·	
		(emit\$4 or emission) or light near source)	EPO; JPO;	
		with (spring or microspring or	DERWENT;	
_		micro-spring))	IBM_TDB	2004/05/06 20-01
7	9	(257/433 or 257/448 or 257/457 or 257/459)	USPAT;	2004/05/06 20:01
		and ((LED or laser or light near (emit\$4	US-PGPUB;	
		or emission) or light near source) with	EPO; JPO;	
		(spring or microspring or micro-spring))	DERWENT;	•
		(057/505 057/700 057/414 057/415)	IBM_TDB	2004/05/06 20:01
8	8	(257/696 or 257/700 or 257/414 or 257/415)	USPAT;	2004/05/06 20:01
		and ((LED or laser or light near (emit\$4	US-PGPUB;	
		or emission) or light near source) with	EPO; JPO;	
		(spring or microspring or micro-spring))	DERWENT;	
		(057/000 057/700 057/414 057/415)	IBM_TDB	2004/05/06 20:00
9	0	(257/696 or 257/700 or 257/414 or 257/415)	USPAT;	2004/05/06 20:02
		and (electroluminescen\$2 or	US-PGPUB;	
		electro-luminescen\$2 or photo near	EPO; JPO;	
		(detec\$4 or receiv\$3 or voltaic or	DERWENT;	
		electric\$4) or photo-detect\$4 or	IBM_TDB	
		photo-receiv\$3 or photo-voltaic or		
		photo-electric\$4 or opto near electri\$6 or		
		opto-electric\$6) with (sensor or detector)		
		with (spring or microspring or		
		micro-spring)		0004/05/05 00 50
10	0	\	USPAT;	2004/05/06 20:03
		and (electroluminescen\$2 or	US-PGPUB;	
		electro-luminescen\$2 or photo near	EPO; JPO;	
		(detec\$4 or receiv\$3 or voltaic or	DERWENT;	
		electric\$4) or photo-detect\$4 or	IBM_TDB	
		photo-receiv\$3 or photo-voltaic or		,
		photo-electric\$4 or opto near electri\$6 or		
		opto-electric\$6) with (sensor or detector)		
		with (spring or microspring or		1
		micro-spring)	l	l

11	1	(257/91 or 257/99 or 257/100 or 257/290 or 257/431) and (electroluminescen\$2 or	USPAT; US-PGPUB;	2004/05/06 20:03
		electro-luminescen\$2 or photo near	EPO; JPO;	
		(detec\$4 or receiv\$3 or voltaic or	DERWENT;	
		electric\$4) or photo-detect\$4 or	IBM TDB	
		photo-receiv\$3 or photo-voltaic or		
		photo-electric\$4 or opto near electri\$6 or		
		opto-electric\$6) with (sensor or detector)		
		with (spring or microspring or		
12	0	micro-spring) (257/84 or 257/85 or 257/86 or 257/87 or	USPAT;	2004/05/06 20:04
12		257/88) and (electroluminescen\$2 or	US-PGPUB;	2004/03/00 20.04
		electro-luminescen\$2 or photo near	EPO; JPO;	
		(detec\$4 or receiv\$3 or voltaic or	DERWENT;	
		electric\$4) or photo-detect\$4 or	IBM_TDB	
		photo-receiv\$3 or photo-voltaic or		
		photo-electric\$4 or opto near electri\$6 or		
		opto-electric\$6) with (sensor or detector)		
		with (spring or microspring or micro-spring)		
13	0		USPAT;	2004/05/06 20:04
10		(electroluminescen\$2 or	US-PGPUB;	2001,00,00 20101
		electro-luminescen\$2 or photo near	EPO; JPO;	
		(detec\$4 or receiv\$3 or voltaic or	DERWENT;	
		electric\$4) or photo-detect\$4 or	IBM_TDB	
		photo-receiv\$3 or photo-voltaic or		
		photo-electric\$4 or opto near electri\$6 or opto-electric\$6) with (sensor or detector)		
		with (spring or microspring or		
		micro-spring)		
-	248870	(semiconductor or die or chip or IC) and	USPAT	2004/05/04 14:47
		(LED or laser or light near emit\$4 or		
	20002	sensor or detector)	HCDAM.	2004/05/04 14:48
_	39883	(semiconductor or die or chip or IC) and (LED or laser or light near emit\$4 or	USPAT	2004/05/04 14:48
		light near source) same (sensor or		
		detector)		
-	1138	l ·	USPAT	2004/05/04 19:47
		(LED or laser or light near emit\$4 or		
		light near source) same (sensor or		
		detector) with (spring or microspring or micro-spring or wir\$3)		
_	205		USPAT	2004/05/05 16:24
		(LED or laser or light near emit\$4 or		
		light near source) same (sensor or		
		detector) with (spring or microspring or		
		micro-spring)	поруш	2004/05/05 12:22
-	264	(257/414 or 257/415) and (spring or microspring or micro-spring)	USPAT; US-PGPUB;	2004/05/05 17:37
		microspiring of micro spring,	EPO; JPO;	
			DERWENT;	
	}		IBM_TDB	
-	25058	(LED or laser or light near (emit\$4 or	USPAT;	2004/05/05 17:38
	ļ	emission) or light near source) same	US-PGPUB;	
		(spring or microspring or micro-spring)	EPO; JPO;	
			DERWENT; IBM TDB	
_	9561	(LED or laser or light near (emit\$4 or	USPAT;	2004/05/05 18:22
		emission) or light near source) with	US-PGPUB;	
		(spring or microspring or micro-spring)	EPO; JPO;	
			DERWENT;	
		/IRD 3 3/ / //A4	IBM_TDB	2004/05/25 12 22
_	684	(LED or laser or light near (emit\$4 or emission) or light near source) with	USPAT; US-PGPUB;	2004/05/05 18:00
		(sensor or detector) with (spring or	EPO; JPO;	
	1	microspring or micro-spring)	DERWENT;	
	<u> </u>		IBM_TDB	

-	88	(electroluminescen\$2 or	USPAT;	2004/05/05 18:08
		electro-luminescen\$2 or photo near	US-PGPUB;	2004703703 10.00
		(detec\$4 or receiv\$3 or voltaic or	EPO; JPO;	
		electric\$4) or photo-detect\$4 or	DERWENT;	
		photo-receiv\$3 or photo-voltaic or	IBM TDB	
		photo-electric\$4 or opto near electri\$6 or	15	
		opto-electric\$6) with (sensor or detector)		
		with (spring or microspring or		
		micro-spring)		
_	261	(electroluminescen\$2 or	USPAT;	2004/05/05 18:08
_	201	electro-luminescen\$2 or photo near	US-PGPUB;	2004703703 10:00
		(detec\$4 or receiv\$3 or voltaic or	EPO; JPO;	
		electric\$4) or photo-detect\$4 or	DERWENT;	
		photo-receiv\$3 or photo-voltaic or	IBM TDB	
		photo-receivas or photo-voltate or photo-electrical or opto near electrians or	1011-100	
		opto-electric\$4 of opto hear electric\$6 or		
		microspring or micro-spring)		
_	134		USPAT;	2004/05/05 18:28
-	134	emission) or light near source) with	US-PGPUB;	2004/03/03 10.20
		(spring or microspring or micro-spring))	EPO; JPO;	
		and 257/\$.ccls.	DERWENT:	
		and 25779.CCIS.	IBM TDB	
	50	((LED or laser or light near (emit\$4 or	USPAT;	2004/05/05 18:31
-] 50	emission) or light near source) with	US-PGPUB;	2004/03/03 18:31
			EPO; JPO;	
		(spring or microspring or micro-spring)) and 257/\$.ccls. and (sens\$3 or detect\$3)	DERWENT;	
		and 257/\$.ccis. and (sens\$5 or detect\$5)	IBM TDB	
	1 7	//IED on locar on light noon (omité) on	USPAT;	2004/05/05 18:33
-	17	((LED or laser or light near (emit\$4 or emission) or light near source) with	-	2004/05/05 18:55
			US-PGPUB;	
		(spring or microspring or micro-spring)) and 438/\$.ccls. and (sens\$3 or detect\$3)	EPO; JPO; DERWENT;	
		and 438/\$.ccis. and (sensas or detectas)	IBM TDB	
	27	//TED on local on light many (omitéd on	USPAT;	2004/05/05 18:35
-	27	((LED or laser or light near (emit\$4 or emission) or light near source) with	US-PGPUB;	2004/05/05 18:35
		(spring or microspring or micro-spring))	EPO; JPO;	
		and 361/\$.ccls. and (sens\$3 or detect\$3)	DERWENT;	
		and sol/s.ccis. and (senses of detectss)		
	,	//IED or loser or light many (omitted or	IBM_TDB USPAT;	2004/05/05 18:35
-	7	((LED or laser or light near (emit\$4 or emission) or light near source) with	US-PGPUB;	2004/03/03 18:33
			EPO; JPO;	
		(spring or microspring or micro-spring)) and 174/\$.ccls. and (sens\$3 or detect\$3)	DERWENT;	
		and 1/4/9.ccis. and (senses of detectes)	IBM TDB	
	1 40	(/IED on logon on light noon /omited on	USPAT;	2004/05/05 18:36
_	49			2004/05/05 18:36
1		emission) or light near source) with	US-PGPUB;	
		(spring or microspring or micro-spring))	EPO; JPO;	
		and 29/\$.ccls. and (sens\$3 or detect\$3)	DERWENT;	
	l .		IBM TDB	